



California Public Utilities Commission Safety En Banc

March 7, 2018, 9:30 a.m. to 3:30 p.m.

505 Van Ness Ave., San Francisco

Webcast: http://www.adminmonitor.com/ca/cpuc/en_banc/

Application of Safety Management Systems and Standards in Utility Safety

The Commission's Office of the Safety Advocate (OSA) will facilitate a Safety En Banc with CPUC Commissioners on Safety Management Systems (SMS).

SMS and SMS Standards have been developed and employed by a number of industries and companies to improve safety. An employed SMS may conform to recognized standards. Such standards often encompass common safety "pillars" or elements, which may include:

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|--------------------|------------------------------------|--------------------|
| *Leadership | *Stakeholder Engagement | *Safety Culture |
| *Risk Management | *Operational Controls | *Safety Assurance |
| *Quality Assurance | *Investigation/Root Cause Analysis | *Documentation |
| *Training | *Management of Change | *Management Review |

The purpose of this En Banc is to examine and share information among regulatory staff, utilities, and industry and academic experts, about how SMS and SMS Standards may be employed to improve utility safety. The focus of this En Banc will be the gas and electric industry.

Questions about this En Banc may be directed to Jenny Au at jenny.au@cpuc.ca.gov or (213)620-6502. While a quorum of Commissioners and/or their staff may attend, no official action will be taken. If specialized accommodations are needed to attend, such as non-English language interpreters, please contact the CPUC's Public Advisor's Office at public.advisor@cpuc.ca.gov or toll free at 866-849-8390 at least five business days in advance of the event.

NOTE: This En Banc is independent of any CPUC proceeding, and panelists are forbidden from making ex parte comments related to open proceedings during their presentations or discussions.



Morning: Industry experts, academia, and regulators will share their knowledge and experience on Application of Safety Management Systems.

09:30 a.m. – 09:45 a.m. **Welcome and Introductory Remarks**

09:45 a.m. – 11:05 a.m. **Session 1: Industry Experts, Academia, and Regulators:
Presentations on Application of SMS**

Facilitator: **Carolina Contreras, OSA**

Presenters: **“Background of Safety Management Systems and Standards”**

Chris Parkes, Office of the Safety Advocate, California Public Utilities Commission

“Sample Implementation of an Industry-Wide Safety Management System”

Christopher A. Hart, Hart Solutions LLC, Former Chair, National Transportation Safety Board

“Paradoxes, Challenges and Opportunities in the Implementation of Safety Management Systems”

Dr. Paul Schulman, Center for Catastrophic Risk Management, UC Berkeley

“Case Study: Pipeline Safety Management System Implementation”

Christopher Pioli, Jacobs Consultancy

“It’s not just implementation of a safety management system, it’s how you go about it.”

Megan Weichel, DNV GL

10:55AM Session 1 Questions from Commissioners

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11:05 a.m. – 11:15 a.m.

Break

11:15 a.m. – 12:30 p.m.

**Session 2: Industry Experts, Academia, and Regulators:
Presentations on Application of SMS (Continued)**

Facilitator: Alex Pineda, OSA

Presenters: “Pitfalls from Big Accidents”
Morris Burch, G2 Integrated Solutions

**“Application of Safety Management System Standards to prevent incidents through CPUC
Electric Generation Standards”**
Chris Parkes, Office of the Safety Advocate, California Public Utilities Commission

“Management Systems and Safety Culture Advancement: One Regulator’s Journey”
Dr. Claudine Bradley, National Energy Board, Canada

**“Accidental Release Prevention Process Safety Management Systems -
Incident Reductions after Implementation of Contra Costa County Industrial Safety Ordinance,
including Safety Culture Requirements.”**
Randall L. Sawyer, Contra Costa County

12:20 PM

Session 2 Questions from Commissioners

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12:30 p.m. – 01:25 p.m.

Lunch Break

Afternoon: California Gas and Electric Operators will share their knowledge and experience on Application of Safety Management Systems.

01:30 p.m. – 03:00 p.m.

**Session 3: California Gas and Electric Utilities:
Safety Management System Presentations**

Facilitator: Jenny Au, OSA

Presenters: Pacific Gas and Electric Company (PG&E)
Nick Stavropoulos, President

Southwest Gas Corporation
John P. Hester, President & CEO

Southern California Gas Company (SoCalGas)
Jimmie Cho, Senior VP, Gas Engineering & Distribution Operations

Southern California Edison (SCE)
Kevin Payne, CEO

San Diego Gas & Electric Company (SDG&E)
David Geier, Senior VP, Electric Operations

2:50 PM Session 3 Questions from Commissioners

03:00 p.m. – 03:30 p.m.

Public Comment, Follow-up Questions from Commissioners, OSA Recommendations, and Wrap-Up

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